

## SECTION 6. AFTERMARKET PARTS APPROVAL, WARRANTY, AND IN-USE PERFORMANCE REQUIREMENTS

### 6.1 Definition

An aftermarket part shall be defined as a part or accessory used to maintain a certified BAR-97 Emission Inspection System supplied by a company other than the EIS manufacturer (system integrator), including but not limited to: bar code scanners, sample hoses, exhaust probe tips and handles, sample system filters, rpm probes, cables, and keyboards. See section 2.12 for part code labeling requirements. This section does not apply to: engine cooling fan, fuel cap tester, zero air generator, O2 and NO sensor, analyzer, and dynamometer.

### 6.2 Submittal Requirements

All equipment and software submitted for certification must be the full and current configuration proposed for sale. **PARTIAL, DATED, OR INCOMPLETE MODELS ARE NOT ACCEPTABLE.** The manufacturer will bear all shipping and equipment preparation charges for the certification testing. The BAR shall charge a fee for certification/approval testing of the BAR-97 and related components and parts. The certification fee shall only cover one (1) round of testing; additional testing will require additional fees. The fee shall be fixed by the department based upon its actual costs of certification testing, shall be calculated from the time that the equipment is submitted for testing until the time that certification testing is complete, and shall in no event exceed the dollar limit specified in §44036(b) of the Health and Safety Code. The aftermarket part approval fee depends on the extent of the required testing. See Section 6.10.

If the manufacturer's application for approval is complete and acceptable, the BAR will approve that specific model subject to its certification testing. That model will then be acceptable for sale and use in licensed stations in California.

The submittal package shall include:

- a) Application for Aftermarket Parts Approval (form below);
- b) Confidentiality Agreement (form below);
- c) Contact Information (form below);
- d) Check for applicable test fees (use cost and test tables below);
- e) Instructions for installation and/or operation;
- f) Price list for each model;
- g) Detailed description of each item including:
  - 1) Manufacturer: name, model,
  - 2) Specifications: performance, mechanical, power, weight, material type, dimensions, connections, schematics (assembly views showing mounting and connections sufficient)
  - 3) Model number markings and locations (see Section 2.13);
- h) An explanation of warranty provisions, including a listing of warranty locations by name, address, and phone number;
- i) Three (3) each of the part.

### 6.3 Approval Terms

The Aftermarket Parts Approval shall be valid for one (1) year from approval, provided no changes are made to the part or no in-use defects are discovered. Changes including: materials, dimensions, model number, labeling methods, and manufacturer, etc., require re-submittal for a new Aftermarket Parts Approval.

Conditions of Approval: An Aftermarket Parts Approval shall only be valid for one (1) year from date of approval. Manufacturers wishing to renew approval, shall: submit the application (Section 6.6) listing approved parts and stating that no changes were made or re-submit parts for approval and pay the test fee again if any changes were made. Changes include model number edits, materials, construction, supplier, function, software, hardware, etc.

If any problems or discrepancies occur subsequent to approval, the aftermarket parts seller shall correct or resolve the problem to the satisfaction of the BAR and in a timeframe acceptable to the BAR. The approval only applies to equipment meeting the specification current at the time issuance; the BAR must approve all future updates and modifications.

To renew the Aftermarket Parts Approval, each manufacturer shall correct any identified problems including in-use performance failures. In addition, each manufacturer must submit the following, 90 days prior to the expiration of the existing Approval:

- a description of any proposed or BAR approved changes to the part(s)
- a current company organization chart and phone list
- a description of any changes to part labeling
- a description of and remedy for any BAR or supplier identified performance defects

If no changes are made and no in-use performance defects are identified, BAR may extend the existing approval without repeating verification testing. The Aftermarket Part Approval will not be renewed if a manufacturer fails to meet the approval renewal requirements.

### 6.4 IN-USE PERFORMANCE

As part of the Smog Check Quality Assurance program, BAR auditors conduct EIS analyzer audits. To ensure uniform and accurate audits, each auditor follows standardized audit procedures.

In the event of an in-use performance failure, the Aftermarket part supplier shall correct the failure in a time frame specified by BAR and in a manner satisfactory to BAR. Failure to correct within the BAR specified time-frame or in a manner satisfactory to BAR will result in punitive actions, including but not limited to those set forth in the California Code of Regulations and the Health and Safety Code.

<b>Performance Measure</b>	<b>Performance Standard</b>
Approved Model # Verification	<ul style="list-style-type: none"> <li>• All OEM and aftermarket parts shall be labeled with an identifying model number (see Section 2.13). Approved parts are listed on the Smog Check web page.</li> </ul>
In-use Defect	<ul style="list-style-type: none"> <li>• Defects affecting analyzer performance shall be noted in the audit program and/or form comments section.</li> </ul>

### 6.5 Periodic BAR Testing

To ensure aftermarket parts remain in an approved configuration BAR may select in-use parts for evaluation and testing at BAR. In this case, the corresponding aftermarket parts supplier shall provide a loaner part to the Smog Check station during the evaluation period.

## 6.6 Aftermarket Part Application

The following equipment is being submitted for: ☐ Initial Approval  
☐ Approval Renewal

Part Type	Aftermarket Co. & Model #	Mfr. Co. & Model # (if applicable)	Applicable BAR 97 EIS
Example...			
Primary Particulate Filter	PH Supply #123456	RT Element Mfg. # 343434	ESP, WEP, SO, SPX

*This application is formally submitted by the following aftermarket part manufacturer:*

Firm: \_\_\_\_\_

## RENEWAL WITHOUT CHANGES

*The undersigned hereby certifies, to the best of his/her knowledge, that the above equipment has not been changed in any way from its original configuration meeting BAR-97 Specification and is requesting extension of the one (1) year approval.*

\_\_\_\_\_  
Signature Officer, Partner or Owner

Date: \_\_\_\_\_

**Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_

### APPROVAL / RENEWAL DUE TO CHANGES

*The undersigned hereby certifies, to the best of his/her knowledge, that the above equipment submitted for testing and evaluation has been designed and tested in accordance with these Emissions Inspection System Specifications, and all subsequent addenda, and that it meets all of the requirements contained therein.*

\_\_\_\_\_  
Signature Officer, Partner or Owner

Date: \_\_\_\_\_

**Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_

6.7 Confidentiality Statement

The document "BAR-97 Emissions Inspection System Specifications" and all subsequent addenda, contains information that is proprietary to the Bureau of Automotive Repair and shall not be disclosed to anyone other than the following authorized person(s). Recipients of BAR-proprietary information shall not disclose the information to anyone for any purpose, nor use the information to develop emission test equipment for any other state or country without prior written approval from the BAR.

\_\_\_\_\_ certifies that  
(NAME OF COMPANY)  
the BAR-proprietary information shall be handled with the strictest confidentiality and only the following individuals have been authorized to have access to these documents.

\_\_\_\_\_ agrees to  
(NAME OF COMPANY)  
assume financial responsibility for any compromise in security, damages, or loss to the State of California caused by the company, its employees or any organization or individual which is allowed to access this information.

NAME (Print)	TITLE	SIGNATURE	DATE

The Bureau of Automobile Repair requires all personnel authorized access to the BAR-proprietary information to be named and will return statements that name top level management only.

**6.8 CONTACT INFORMATION**

Name of Aftermarket Parts Seller:

Address:

Contact Person:

Alternative Contact Person:

Telephone Number:

FAX Number:

E-Mail Address:

**AFTERMARKET PART SELLER**

Name of Seller:

Address:

Contact Person:

Alternative  
Contact Person:

Telephone #:

FAX #:

E-Mail Address:

**PART MANUFACTURER**

Name of Mfr:

Address:

Contact Person:

Alternative  
Contact Person:

Telephone #:

FAX #:

E-Mail Address:

Do you wish to receive mailings directly from the BAR?

Yes

No

**6.9 APPROVAL FEE TABLE**

<b>Spec. Para.</b>	<b>Test</b>	<b>Charge per Test</b>	<b>BAR-97 DG Totals</b>
5.3.1	Exhaust Sampling Hose	\$ 50	\$ 50.00
5.3.2	Hose & Probe Temperature	\$ 100	\$ 100.00
5.3.3	Sample System Leaks	\$ 120	\$ 120.00
5.3.4	Flow Sensitivity	\$ 150	\$ 150.00
5.3.5	Flow Restrictions	\$ 200	\$ 200.00
5.3.6	Particulate Filter	\$ 90	\$ 90.00
5.3.7	Hydrocarbon Hangup	\$ 90	\$ 270.00
5.3.8, 5.3.9	Probe Dilution & Antidilution	\$ 120	
5.4.2	Temperature Stability	\$ 680	\$ 680.00
5.4.4, 5.4.5	Warmup & Drift*	\$ 620	\$ 1,860.00
5.4.6	Accuracy & Bias*	\$ 730	\$ 2,920.00
5.4.7	Hexane/Propane Ratio (PEF)	\$ 40	
5.4.8 a), b)	Gas Interference*	\$ 190	\$ 380.00
5.4.8 c)	Quench Effects (NO, O <sub>2</sub> only)*	\$ 90	\$ 180.00
5.4.8 d)	Saturation Effects (NO, O <sub>2</sub> only)*	\$ 150	\$ 300.00
5.4.9	Voltage Variations*	\$ 30	\$ 60.00
5.4.10	Pressure Comp'n - HC, CO, CO <sub>2</sub> *	\$ 410	\$ 1,230.00
"	- NO, O <sub>2</sub> *	\$ 1,060	\$ 2,120.00
5.4.11	Analyzer/Sensor Response Time*	\$ 390	\$ 1,560.00
5.4.13	Noise tests	\$ 60	\$ 60.00
5.4.14	Vibration & Shock	\$ 50	\$ 50.00
5.5.1	System Repeatability*	\$ 150	\$ 450.00
5.5.2	System Response Time*	\$ 420	\$ 840.00
5.8.3	Bar Code Scanner	\$ 150	\$ 150.00
NOTES: * Cost is for one temperature only. Specification requires testing at: 35F, 75F & 110F.			

**6.10 APPLICABLE TESTS**

<b>PART</b>	<b>APPLICABLE TESTS</b>	<b>COST</b>
sample probe, hose, handle	5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.7	510.00
particulate filter	5.3.6, 5.3.7, 5.5.2	780.00
tachometer pickup	2.9	150.00
bar code scanner	2.7, 2.7.1, 5.8.3	150.00
other	as applicable	call BAR engineering